Lithosphere Test Review Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DIRECTIONS: Answer the questions in the space provided.

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| Question | Answer |
| Why does Earth have 4 layers? |  |
| Compared to the other layers of Earth, which layer has the highest density? |  |
| List Earth’s layers in order from the surface to the center? |  |
| What is the difference between the oceanic crust and the continental crust? |  |
| Why is the inner core of Earth solid? |  |
| Which layers of Earth are solid? |  |
| Describes the mantle of Earth. |  |
| What evidence did Alfred Wegener use to support his theory of continental drift? |  |
| Which part of the earth is broken into several large tectonic plates? |  |
| What causes the tectonic plates to move? |  |
| What is moving in a convection current in the asthenosphere? |  |
| Which event most likely caused the formation of mountain ranges? |  |
| What is magma? |  |
| Which geologic event is most likely to occur at a transform boundary? |  |
| Which geologic event is most likely to occur at a continental-continental collision? |  |
| At what type of tectonic plate boundary will a volcano most likely form? |  |
| What geologic events are most likely to occur at a divergent boundary? |  |
| What happens at a oceanic-continental collision? |  |
| How did the Hawaiian Islands form? |  |
| What is a fault? |  |
| Where do earthquakes usually occur? |  |
| What most likely causes an earthquake? |  |
| What is the point beneath Earth’s surface where rock breaks under stress and triggers an earthquake? |  |
| What is the difference between the epicenter and the focus of an earthquake? |  |
| Where does the energy from an earthquake originate? |  |
| What determines the magnitude of an earthquake? |  |
| What type of seismic wave causes the most damage during an earthquake? |  |
| What causes the speed of seismic waves to change? |  |
| Purpose: Will more hot water or cold  water fit on the head of a penny?What is the independent variable? |  |
| Purpose: Will more hot water or cold  water fit on the head of a penny?What is the dependent variable? |  |
| Purpose: Will more hot water or cold  water fit on the head of a penny?What are two controlled variables? |  |
| Purpose: Will more hot water or cold  water fit on the head of a penny?Write a hypothesis in the “If the IV, then the DV… format. |  |
| Write three questions that can be answered using the diagram below. |  |